

Patent Abstracts of Japan

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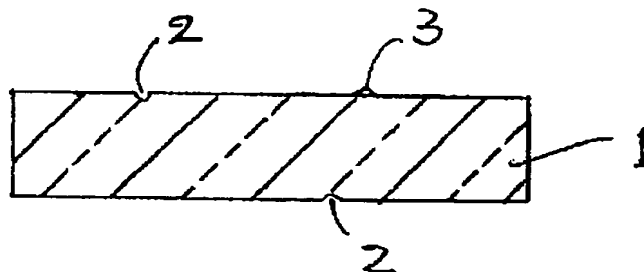
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TITLE : PRODUCTION METHOD OF GLASS
SUBSTRATE AND GLASS SUBSTRATE
FOR MAGNETIC RECORDING MEDIUM
OBTAINED BY THE METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To inexpensively obtain a glass substrate for a magnetic recording medium having an extremely few defects caused by grinding mark and projected defects caused by a foreign matter of grinding whetstone.

SOLUTION: The surface of a float glass base plate 1 is subjected to a mirror finish grinding by using a cerium oxide whetstone. Then the surface layer of the mirror finish grinding face is etched and removed by 0.2 μm with 2.5 wt.% aqueous solution of hydrofluoric acid. Further, after the removal of the surface layer by etching, the surface layer is cleaned with an alkali-based detergent. Consequently the surface of the glass base plate can be made into a mirror plane free from adhesion of remaining grinding whetstone.

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